

Converting Colors

$Yxy(90.5772, 0.3119, 0.3471)$

Have a look what the booklet for
Yxy(90.5772, 0.3119, 0.3471)
contains.

Yxy(90.5098, 0.3119, 0.3474)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.5098, 0.3119, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	E7F9E7
RGB	231, 249, 231
RGB Percent	91%, 98%, 91%
CMY	0.0939, 0.0235, 0.0942
CMYK	0.07, 0.00, 0.07, 0.02
HSL	120°, 60%, 94%
HSV	120°, 7%, 98%
XYZ	81.2608, 90.5098, 88.7642
YIQ	241.5660, -4.9500, -9.4140

Conversions

Conversions Part 2

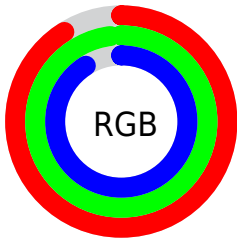
Format	Color
R _Y B	231, 249, 249
Decimal	15202791
CIE Lab	96.21, -9.10, 6.63
CIE LCh	96, 11.259, 143.939
Yxy	90.5098, 0.3119, 0.3474
Android (android.graphics.Color)	4293392871 (0xFFE7F9E7)
YUV	241.5660, -5.2090, -9.2664
Hunter-Lab	95.1366, -14.0236, 11.2770

Details

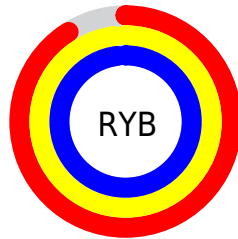
The Yxy color **90.5098, 0.3119, 0.3474** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0994, 0.3135, 0.3113**, and the grayscale version is **88.4831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3490, 0.3116, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **85.3665, 0.3106, 0.3759**, and if you desaturate by 10%, it is **96.2297, 0.3130, 0.3233**.

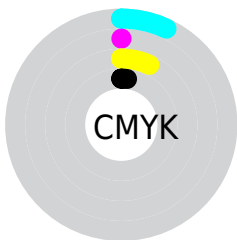
Distribution



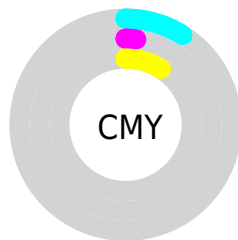
- Red (91%)
- Green (98%)
- Blue (91%)



- Red (91%)
- Yellow (98%)
- Blue (98%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)



- Cyan (9%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5098, 0.3119, 0.3474 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.5098, 0.3119, 0.3474 by changing the saturation by 10% instead.


 90.5098, 0.3119,
0.3474

 90.5098, 0.3119,
0.3474


529.6878, 0.3123,
0.3391

 68.4035, 0.3118,
0.3492


148.0463, 0.3121,
0.3446

 50.2261, 0.3117,
0.3515


184.2454, 0.3121,
0.3434

 35.5931, 0.3115,
0.3543


225.9108, 0.3122,
0.3425

 24.1201, 0.3113,
0.3580

273.4271, 0.3122,
0.3416

 15.4227, 0.3109,
0.3628

327.1785, 0.3122,
0.3409

 9.1166, 0.3104,
0.3696

387.5495, 0.3123,

 4.8173, 0.3095,

0.3402

0.3799

454.9245, 0.3123,
0.3396

■ 2.1405, 0.3078,
0.3970

■ 0.6872, 0.3072,
0.4898

■ 90.5098, 0.3119,
0.3474

■ 90.5098, 0.3119,
0.3474

■ 85.3665, 0.3106,
0.3759

■ 96.2297, 0.3130,
0.3233

■ 80.9711, 0.3092,
0.4078

■ 77.2924, 0.3076,
0.4425

■ 74.2924, 0.3059,
0.4786

■ 71.9296, 0.3043,
0.5141

■ 70.1580, 0.3028,
0.5463

■ 68.9255, 0.3015,
0.5722

■ 68.1707, 0.3006,
0.5897

■ 67.8156, 0.3001,
0.5984

Harmonies

Analogous

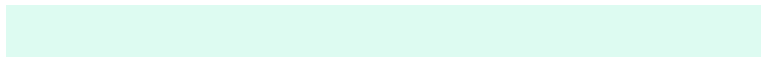
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5098, 0.3244, 0.3511



90.5098, 0.3119, 0.3474



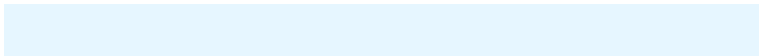
90.5098, 0.2998, 0.3384

Triad

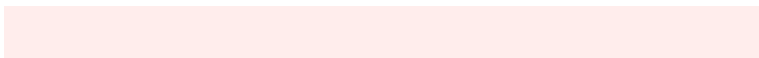
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5098, 0.3119, 0.3474



90.5098, 0.2919, 0.3094



90.5098, 0.3346, 0.3305

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.5098, 0.3119, 0.3474



84.0994, 0.3135, 0.3113

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5098, 0.3256, 0.3198



90.5098, 0.3119, 0.3474



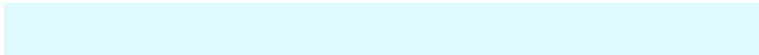
90.5098, 0.3009, 0.3077

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



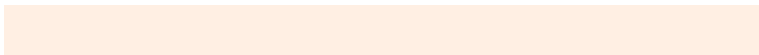
90.5098, 0.3119, 0.3474



90.5098, 0.2884, 0.3163



90.5098, 0.3132, 0.3115



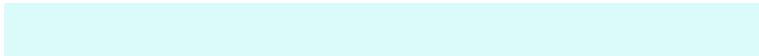
90.5098, 0.3376, 0.3410

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5098, 0.3119, 0.3474



90.5098, 0.2936, 0.3308



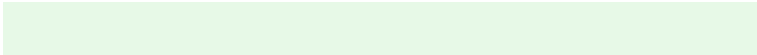
90.5098, 0.3132, 0.3115



90.5098, 0.3321, 0.3268

Sweetspot

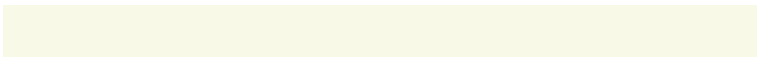
The Sweet Spot groups the original color and five complimentary colors.



90.5137, 0.3119, 0.3474



98.7253, 0.3125, 0.3339



93.4712, 0.3235, 0.3465



21.1446, 0.3125, 0.3337



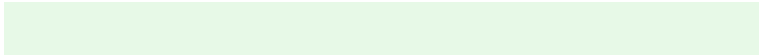
0.0000, 0.0000, 0.0000



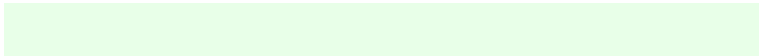
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5137, 0.3119, 0.3474



94.5291, 0.3117, 0.3522



91.0059, 0.3068, 0.3384



19.3127, 0.3116, 0.3535



36.2713, 0.3001, 0.5999



3.3605, 0.3003, 0.5998

Inverse Universe

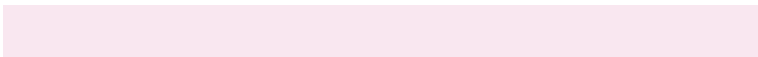
The Inverse Universe completely reimagines the original color for something new.



84.0994, 0.3135, 0.3113



86.2034, 0.3137, 0.3068



83.5819, 0.3191, 0.3198



17.5207, 0.3137, 0.3056



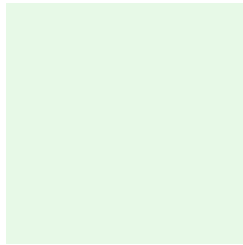
14.3424, 0.3199, 0.1536



1.3295, 0.3200, 0.1537

Previews

White Background



This preview shows how the Yxy color 90.5098, 0.3119, 0.3474 looks on a white background.

Color Contrast Check

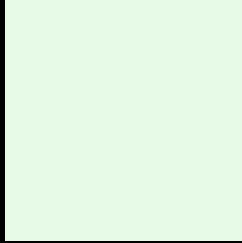
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.5098, 0.3119, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

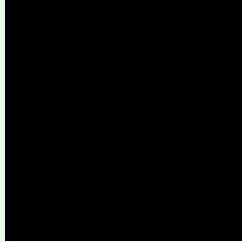
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

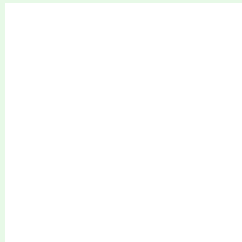
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5098, 0.3119, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 90.5098, 0.3119, 0.3474.

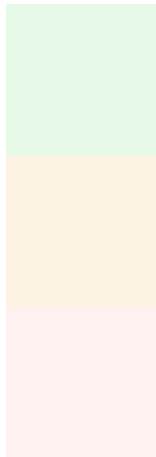


This preview shows how white text looks on a background with the Yxy color 90.5098, 0.3119, 0.3474.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.5098, 0.3119, 0.3474

Protanopia

90.3981, 0.3279, 0.3438

Deuteranopia

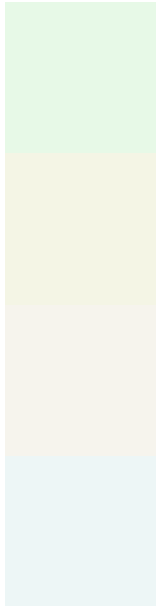
90.4619, 0.3226, 0.3300



Tritanopia

90.4466, 0.3037, 0.3181

Trichromacy



Original Color

90.5098, 0.3119, 0.3474

Protanomaly

90.1951, 0.3217, 0.3450

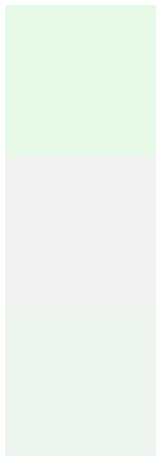
Deuteranomaly

90.4086, 0.3182, 0.3360

Tritanomaly

90.5699, 0.3070, 0.3290

Monochromacy



Original Color

90.5098, 0.3119, 0.3474

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.6550, 0.3124, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5098, 0.3119, 0.3474 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(231, 249, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 249, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 249, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 249, 231) }
```

Border

The CSS property to change the border of an element to Yxy 90.5098, 0.3119, 0.3474 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 249, 231) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 249, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 249, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 249, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 249, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 249,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5098, 0.3119, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 249, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
249, 231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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